U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
SBA Shipyards - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **POLREP #3**
Alkyne Storage Pump House Removal - CERCLA Removal Action
SBA Shipyards

Jennings, LA
Latitude: 30.1641500 Longitude: -92.6158800

To:
From: Mark Hayes, Environmental Engineer, OSC
Date: 10/1/2015
Reporting Period:

1. Introduction

1.1 Background

Site Number:	V6QM	**Contract Number:**	EP-W-06-077
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	8/30/2015	**Start Date:**	5/25/2015
Demob Date:	9/5/2015	**Completion Date:**	6/12/2015
CERCLIS ID:	LAD008434185	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:	E15608	**Reimbursable Account #:**	

1.1.1 Incident Category

Partially buried barge used as an alkyne storage tank pump house.

1.1.2 Site Description

The SBA Shipyard Inc. (SBA) facility is situated on approximately 98 acres of land located in a rural-industrial area, at 9040 Castex Landing Road, Jefferson Davis Parish, LA 70546, at the end of State Highway 3166 and adjacent to the west bank of the Mermentau River. The site is approximately 2.3 miles southwest (downstream) of Mermentau, Louisiana. The geographic coordinates at the abandoned office and facility entrance are Latitude 30.16415º North and Longitude 92.61588º West, obtained from a Trimble Geo Explorer 3 Global Positioning System (GPS). This facility is bordered to the north by residents, south by wetlands, west by rural land and wetlands, and east by the Mermentau River. Access to the property is restricted with fencing and locked gates.

According to the Louisiana Department of Environmental Quality (LDEQ) records, SBA used the site for construction, repair, retrofitting, and cleaning of barges from 1965 through 1999. Three barge slips and a dry dock are located off of the Mermentau River. They were used to dock barges during cleaning or repair. Reportedly a landfill was located north of the slip used for disposal of paint cans. Wastes from the barge cleaning operations were managed in a waste management area that included four surface impoundments, a land treatment unit (LTU), and storage tanks. The wastes consisted of petroleum hydrocarbons. The hydrocarbons were separated from the water into surface impoundments that were known as the Oil Pit, Water Pit 1, Water Pit 2, and Water Pit 3.

1.1.2.1 Location

SBA is located at 9040 Castex Landing Road, Jefferson Davis Parish, LA 70546, at the end of State Highway 3166 and adjacent to the west bank of the Mermentau River. The geographic coordinates at the abandoned office and facility entrance are Latitude 30.16415º North and Longitude 92.61588º West, obtained from a Trimble Geo Explorer 3 Global Positioning System (GPS).

1.1.2.2 Description of Threat

Stained soil, and oily material have been observed leaking from the alkyne storage tank pump house associated with the buried barge and migrating in a southeast direction into a nearby wetland. Analytical

results of samples associated with the alkyne storage tank pump house and associated partially buried barge indicated an imminent and substantial endangerment to the nearby wetland area associated with the Mermentau River.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On June 11, 2015 EPA START conducted a removal assessment of sludge material in containment areas and a surface tank associated with the partially buried alkyne barge. During the assessment a sample of sludge was taken from three containment areas on the north side of the buried barge. A grab sample of sludge material was also collected from a surface tank in the alkyne storage tank pump house. All sludge contents were sampled for laboratory analysis and characterization.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On August 31, 2015, US EPA, START, and ERRS mobilized to the site to initiate removal of the sludge remaining in the buried barge. Based on the results of samples collected in June 2015 the sludge was characterized as CERCLA substances.

September 1, 2015:

- Removal of sludge from north hatch was initiated. Measurements of sludge in the barge containments were made: furthest East hatch on north = 4 feet 4 inches; Center hatch = 2 feet 10 inches, and furthest West hatch = 17 inches.
- START conducted air monitoring using the MultiRAE Pro for O_2, LEL, H_2S, VOC and CO during removal activities. No readings exceeded action levels.
- Five vac boxes were filled with approximately 2,400-2,600 gallons of sludge in each box.

September 2, 2015:

- Removal of sludge continued with two more vac boxes filled with sludge.
- START conducted air monitoring using the MultiRAE Pro for O_2, LEL, H_2S, VOC and CO during removal activities. No readings exceeded action levels.
- ERRS cleaned the inside of the Alkyne building with Oil Dri and Simple Green, as a degreaser. The degreaser applied was recovered and removed for disposal.
- ERRS re-installed the berm surrounding the barge install in June 2014.

September 3, 2015:

- Remaining Oil Dri was removed from Alkyne building for disposal.
- START conducted air monitoring using the MultiRAE Pro for O_2, LEL, H_2S, VOC and CO during removal activities. No readings exceeded action levels.
- Three new hatches were found the Alkyne building. Two are located in the Locker Room/Storage Room: one on the starboard side and one on the port side. It was determined that this was one storage containment with two hatches. Measurement of the storage containment indicates approximately 7,000 gallons of material. A third hatch was discovered on the starboard side in the machine shop area. The third hatch was covered by a metal sheet. Sludge measured in the containment storage near the machine shop area is approximately 16,000 gallons.
- ERRS continued rebuilding berm around barge.

September 4, 2015:

- Samples of oily material were collected from both storage containment areas. Samples will be analyzed for characterization of the material.
- START conducted air monitoring using the MultiRAE Pro for O_2, LEL, H_2S, VOC and CO during removal activities. No readings exceeded action levels.
- Oil Dri was added to the floor of the Locker Room and Machine Shop. Material will be recovered and

removed for disposal upon return to the site, following completion of the sample analysis.

- All the windows of the building were covered with poly sheeting to prevent rain from entering the building.
- One roll off box consisting of debris was removed from the site.
- ERRS completed installation of a berm around the barge.
- EPA, START and ERRs demobilize from the site.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

To be Determined.

2.1.4 Progress Metrics

A total of 18,200 gallons of sludge contents were removed and placed temporarily in vac boxes and will be removed at a later date.

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*

2.2 Planning Section

2.2.1 Anticipated Activities

No additional activities are anticipated at this time.

2.2.1.1 Planned Response Activities

Removal of vac boxes with sludge contents will be done upon disposal facility availability.

2.2.1.2 Next Step

None

2.2.2 Issues

Capacity at disposal facility has caused delays in removal of vac boxes with sludge contents from the site.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

No information available at this time

2.5 Other Command Staff

2.5.1 Safety Officer

No information available at this time

2.5.2 Liaison Officer

No information available at this time

2.5.3 Information Officer

No information available at this time

3. Participating Entities

3.1 Unified Command

No information available at this time.

3.2 Cooperating Agencies

US EPA Region 6
Louisiana Department of Environmental Quality (LDEQ)
United States Coast Guard (USCG)

4. Personnel On Site

No information available at this time

5. Definition of Terms

CO - Carbon Monoxide
DRO – Diesel Range Organics
ERRS - Emergency and Rapid Response Services
GPS - Global Positioning System
H_2S - Hydrogen Sulfide
LDEQ – Louisiana Department of Environmental Quality
LEL - Lower Explosive Limit
LTU – Land Treatment Unit
O_2 - Oxygen
OPA - Oil Pollution Act
ORO – Oil Range Organics
OSC – On-Scene Coordinator
PAHs - Polycyclic Aromatic Hydrocarbons
PCB - Polychlorinated Biphenyl
PRPs - Potentially Responsible Parties
RA – Removal Assessment
SBA - SBA Shipyard Inc.
START – Superfund Technical Assessment and Response Team
SVOC – Semi-Volatile Organic Compounds
TAL - Target Analyte List
TCLP - Toxicity Characteristic Leaching Procedure
TPH - Total Petroleum Hydrocarbons
USCG – Unites States Coast Guard
US EPA - United States Environmental Protection Agency
VOC - Volatile Organic Compounds

6. Additional sources of information

6.1 Internet location of additional information/report

Additional information can be obtained at epaosc.org/sbashipyards

6.2 Reporting Schedule

No information available at this time.

7. Situational Reference Materials

No information available at this time.